



10/079,056

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Adam W. Cates et al.	Examiner:	Scott M. Getzow
Serial No.:	10/079,056	Group Art Unit:	3762
Filed:	February 19, 2002	Docket:	279.384US1
Title:	CHRONICALLY-IMPLANTED DEVICE FOR SENSING AND THERAPY		

---

**INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 19-0743.

RECEIVED  
JUN 28 2004  
TECHNOLOGY CENTER R3700

06/28/2004 TTRAM1 00000003 10079056

02 FC:1806

180.00 0P

INFORMATION DISCLOSURE STATEMENT

Serial No :10/079,056

Filing Date: February 19, 2002

Title: CHRONICALLY-IMPLANTED DEVICE FOR SENSING AND THERAPY

Page 2

Dkt: 279.384US1

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ADAM W. CATES ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6960

Date 6-21-04

By Marvin L. Beekman  
Marvin L. Beekman  
Reg. No. 38,377

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 20 day of June, 2004.

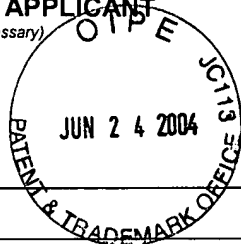
Paula Suchy  
Name

Paula Suchy  
Signature

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/079,056
Filing Date	February 19, 2002
First Named Inventor	Cates, Adam
Group Art Unit	3762
Examiner Name	Getzow, Scott

Sheet 1 of 3

Attorney Docket No: 279.384US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-2001/0000802	05/03/2001	Soykan, O. , et al.	623	1.13	12/20/2000
	US-2003/0004403	01/02/2003	Drinan, D. , et al.	600	301	10/29/2001
	US-2003/0060854 A1	03/27/2003	Zhu, Qingsheng	607	25	09/25/2001
	US-2003/0069606 A1	04/10/2003	Girouard, Steven D., et al.	607	3	05/31/2002
	US-2004/0002739 A1	01/01/2004	Cates, Adam W., et al.	607	6	06/28/2002
	US-3,692,027	09/19/1972	Ellinwood Jr.,	128	260	04/23/1971
	US-4,003,379	01/18/1977	Ellinwood Jr.,	128	260	09/24/1975
	US-4,146,029	03/27/1979	Ellinwood Jr., E. H.	128	260	05/31/1977
	US-4,281,664	08/04/1981	Duggan,	128	696	05/14/1997
	US-4,299,220	11/10/1981	Dorman,	128	260	05/03/1979
	US-4,544,371	10/01/1985	Dormandy Jr., , et al.	604	891	10/05/1982
	US-4,556,063	12/03/1985	Thompson, D. L., et al.	128	419 PT	12/07/1984
	US-4,686,987	08/18/1987	Salo, Rodney W., et al.	128	419 PG	03/29/1982
	US-4,871,351	10/03/1989	Feingold, Vladimir	604	66	08/26/1987
	US-4,987,897	01/29/1991	Funke, Hermann D.	128	419 PG	09/18/1989
	US-5,040,533	08/20/1991	Fearnott,	128	419 PG	12/29/1989
	US-5,041,107	08/20/1991	Heil Jr., R.	604	891.1	10/06/1989
	US-5,042,497	08/27/1991	Shapland,	600	509	01/30/1990
	US-5,087,243	02/11/1992	Avitall,	604	20	06/18/1990
	US-5,220,917	06/22/1993	Cammilli, L. , et al.	128	419 D	11/16/1990
	US-5,269,301	12/14/1993	Cohen, T. J.	607	6	10/19/1992
	US-5,284,136	02/08/1994	Hauck, John A., et al.	607	24	05/13/1991
	US-5,353,800	10/11/1994	Pohndorf, Peter J., et al.	128	673	12/11/1992
	US-5,368,028	11/29/1994	Palti, Y.	128	635	06/16/1993
	US-5,460,605	10/24/1995	Tuttle, Ronald R., et al.	604	67	12/07/1993
	US-5,496,360	03/05/1996	Hoffmann, D. A., et al.	607	120	04/12/1994
	US-5,499,971	03/19/1996	Shapland, J. E., et al.	604	53	12/14/1993

TECHNOLOGY CENTER R3700

JUN 28 2004

RECEIVED

EXAMINER

DATE CONSIDERED

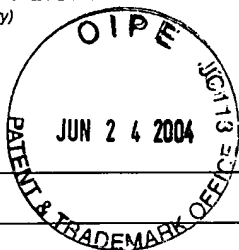
Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional) ‡ Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/079,056
Filing Date	February 19, 2002
First Named Inventor	Cates, Adam
Group Art Unit	3762
Examiner Name	Getzow, Scott

Sheet 2 of 3

Attorney Docket No: 279.384US1

	US-5,556,421	09/17/1996	Prutchi, , et al.	607	036	02/22/1995
	US-5,607,418	03/04/1997	Arzbaecher, R. C.	604	891.1	08/22/1995
	US-5,634,899	06/03/1997	Shapland, J. E., et al.	604	51	01/04/1994
	US-5,662,689	09/02/1997	Elsberry, Dennis , et al.	607	5	09/08/1995
	US-5,690,682	11/25/1997	Buscemi, , et al.	607	3	06/17/1996
	US-5,730,125	03/24/1998	Prutchi, D. , et al.	128	637	09/11/1996
	US-5,800,498	09/01/1998	Obino, S. F., et al.	607	123	04/26/1996
	US-5,814,089	09/29/1998	Stokes, K. B., et al.	607	32	12/18/1996
	US-5,817,131	10/06/1998	Elsberry, D. D., et al.	607	5	03/07/1997
	US-5,833,603	11/10/1998	Kovacs, G.T. , et al.	600	317	03/13/1996
	US-5,836,935	11/17/1998	Ashton, , et al.	604	891.1	01/28/1997
	US-5,893,881	04/13/1999	Elsberry, D. D., et al.	607	5	08/29/1997
	US-5,925,066	07/20/1999	Kroll, , et al.	607	3	09/15/1997
	US-5,954,761	09/21/1999	Macheck, James E., et al.	607	126	03/25/1997
	US-5,967,986	10/19/1999	Cimochowski, G. E., et al.	600	454	11/25/1997
	US-5,991,668	11/23/1999	Leinders, R. , et al.	607	125	09/25/1997
	US-6,141,588	10/31/2000	Cox, Timothy J., et al.	607	9	07/24/1998
	US-6,168,801	01/02/2001	Heil, Jr., Ronald W., et al.	424	426	03/19/1999
	US-6,206,914	03/27/2001	Soykan, , et al.	623	1.42	08/31/1998
	US-6,231,516	05/15/2001	Keilman, G. W., et al.	600	485	02/23/1998
	US-6,237,398	05/29/2001	Porat, Y. , et al.	73	54.09	09/29/1998
	US-6,254,573	07/03/2001	Haim, S. B., et al.	604	157	08/26/1999
	US-6,277,078	08/21/2001	Porat, Y. , et al.	600	486	11/19/1999
	US-6,298,272	10/02/2001	Peterfeso, Randall M., et al.	607	120	03/29/1999
	US-6,309,370	10/30/2001	Haim, S. B., et al.	604	66	02/05/1998
	US-6,317,615	11/13/2001	KenKnight, Bruce H., et al.	600	372	04/19/1999
	US-6,361,522	03/26/2002	Scheiner, Avram , et al.	604	67	10/21/1999
	US-6,361,780	03/26/2002	Ley, Gregory R., et al.	424	400	11/12/1998
	US-6,443,949	09/03/2002	Altman, P. A.	606	41	10/23/1998
	US-6,453,195	09/17/2002	Thompson, David L.	607	3	03/19/2001
	US-6,459,917	10/01/2002	Gowda, A. , et al.	600	345	05/22/2000
	US-6,511,477	01/28/2003	Altman, P. A., et al.	606	41	09/28/1999
	US-6,519,488	02/11/2003	KenKnight, Bruce H., et al.	600	372	08/27/2001
	US-6,689,117	02/10/2004	Sweeney, Robert J., et al.	604	503	12/18/2000

TECHNOLOGY CENTER R8700

JUN 28 2004

RECEIVED

EXAMINER

DATE CONSIDERED

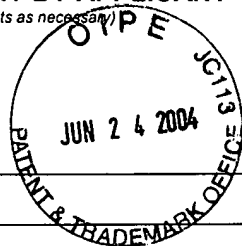
Substitute Disclosure Statement Form (PTO-1449)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/079,056
Filing Date	February 19, 2002
First Named Inventor	Cates, Adam
Group Art Unit	3762
Examiner Name	Getzow, Scott

Sheet 3 of 3

Attorney Docket No: 279.384US1

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
	EP-1050265	11/08/2000	Vantassel, R. A., et al.	A61B	5/00	
	WO-97/33513 ~	09/18/1997	Knapp, Terry, et al.	A61B	5/00	

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BURNS, BRENT E., "Fabrication Technology for a Chronic In-Vivo Pressure Sensor", <u>1984 International Electron Devices Meeting Technical Digest</u> , (1984),210-212	
		CARR, WILLIAM N., et al., "Integrated Pressure Sensor With Remote Power Source and Remote Readout", <u>The 8th International Conference on Solid-State Sensors and Actuators and Eurosensors IX, Digest of Technical Papers</u> , Stockholm, Sweden, (June 25-29, 1995),624-627	
		CHAU, HIN-LEUNG, et al., "An Ultraminiature Solid-State Pressure Sensor for a Cardiovascular Catheter", <u>IEEE Transactions on Electron Devices</u> , (December, 1988),2355-2362	
		PASTORE, JOSEPH M., "Method And Apparatus For Modulating Cellular Metabolism During Post-Ischemia Or Heart Failure", <u>Application Serial No. 10/645,823, Filed August 21, 1003 Attorney Docket No. 279.606US1, 46 pages</u>	
		SPIEGEL, EGBERT, "A CMOS Sensor and Signal Conversion Chip for Monitoring Arterial Blood Pressure and Temperature", <u>IEEE International Solid-State Circuits Conference</u> , (February 20, 1992),126-127	
		ZIAIE, BABAK, et al., "A Single-Channel Implantable Microstimulator for Functional Neuromuscular Stimulation", <u>IEEE Transactions on Biomedical Engineering</u> , 44, (October, 1997),909-920	

RECEIVED  
 JUN 28 2004  
 TECHNOLOGY CENTER R3700

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional) <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached